

UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of)
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For: Antimicrobial sheets for)
Environmental and human)
Protection and Prevention)

Field of Invention

The invention lies in the field of the protection of human life.

Summary of the Invention

A monofilament sheet and or multi layered sheet with the antimicrobial Triclosan, and or antimicrobial Microban incorporated therein. The sheet or tape is fully capable of covering all types of surfaces that may contain harmful bacteria and or viruses that may be transmitted upon human contact. The material and application would prevent the spread of numerous diseases and promotes healthy people from becoming ill.

Description of the Drawings

Fig. 1 A top, side plan view and cross section of the types of sheets and or tapes in a linear form; covering various widths and thicknesses of the material containing the antimicrobials which will be dispensed in certain sizes that will have a perforated edge, allowing the linear sheet or tape to be removed exposing a re-newed sheet or tape for continued exposure. The cross section demonstrates the material containing the antimicrobial compound.

Fig. 2 A top, side plan view and cross section of the types of sheets and or tapes in a square form; covering various widths and thicknesses of the material containing the antimicrobials which will be dispensed in certain individual sizes, allowing the square sheet or tape to be removed exposing a re-newed sheet or tape for continued exposure and longevity. The cross section demonstrates the material containing the antimicrobial compound.

Fig. 3 A top, side plan view and cross section of the types of sheets and or tapes in a rectangular form; covering various widths and thicknesses of the material containing the antimicrobials which will be dispensed in certain sizes that will have a perforated edge, allowing the rectangular sheet or tape to be removed exposing a re-newed sheet or tape for continued exposure. The cross section demonstrates the material containing the antimicrobial compound.

Fig. 4 The apparatus that will dispense the linear sheets and or tape in a configuration for human contact and prolonged exposures, the apparatus is designed to be attached to either to round and or square surfaces of various size, allowing the linear sheet and or tape to be affixed for dispensing, the apparatus allows for re-filling the linear roll for continued dispensing. The cross section describes the mechanical nature of the apparatus along with the demonstration of the material containing the antimicrobial compound.

Fig. 5 A top and side view of an article in which application of the invention is applied that may have human contact, thus by application of invention, either eliminating and or preventing the spread of bacterial and or viral organisms. The scope of the invention lies within the unique nature of the material and its use as applied for human contact barrier. Such invention to be applied in public and or private areas to prevent the spread of harmful diseases.

Fig. 6 Additional articles as examples in a top and side view of an article in which application of the invention is applied that may have human contact, thus by application of invention, either eliminating and or preventing the spread of bacterial and or viral organisms. The scope of the invention lies within the unique nature of the material and its use as applied for human contact barrier. Such invention to be applied in public and or private areas to prevent the spread of harmful diseases.

Fig. 7 Additional articles as examples in a top and side view of an article in which application of the invention is applied that may have human contact, thus by application of invention, either eliminating and or preventing the spread of bacterial and or viral organisms. The scope of the invention lies within the unique nature of the material and its use as applied for human contact barrier. Such invention to be applied in public and or private areas as to prevent the spread of harmful diseases.

These figures, which are idealized, are not to scale and are intended to be merely illustrative and non limiting.

Detailed Description of the Preferred Form of the Invention

Applicant's monofilament and or multi-layered material may contain one or more of several antimicrobial compounds, some of which are presently used in commercially known plastics and soaps. Two of the compounds known to be used in plastics and soaps are triclosan (2,4,4-trichloro-2hydroxy-diphenylether) and n-alkyl dimethylbenzyl ammonium chloride dimethyl benzyl ammonium chloride. And or Microban. The invention relates to the prevention of the spread of infections and diseases.